RCA

7H7

REMOTE-CUTOFF PENTODE

GENERAL DATA

Electrical:

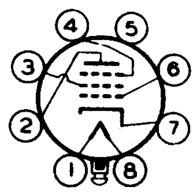
Heater, for Unipotential Cathode:		
Voltage	6.3[□]	ac or dc volts
Current	0.3[□□]	amp
Direct Interelectrode Capacitances:[○]		
Grid No.1 to Plate	0.007 max.	μμf
Input	8	μμf
Output	7	μμf

[○] With external shield connected to cathode.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8V

Pin 1 - Heater
Pin 2 - Plate
Pin 3 - Grid No.2
Pin 4 - Grid No.3
Pin 5 - Internal Shield



Pin 6 - Grid No.1
Pin 7 - Cathode
Pin 8 - Heater

Plug - Base Shell

AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values:***

PLATE VOLTAGE	300 max.	volts
GRID-No.2 (SCREEN) VOLTAGE	150 max.	volts
GRID-No.2 SUPPLY VOLTAGE	300 max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Positive bias value	0 max.	volts
PLATE DISSIPATION	2.5 max.	watts
GRID-No.2 DISSIPATION	0.5 max.	watt
PEAK HEATER-CATHODE VOLTAGE: ←		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Typical Operation and Characteristics: ←

Plate Voltage	100	250	volts
Grid No.3	Connected to cathode at socket		
Internal Shield	Connected to cathode at socket		
Grid-No.2 Voltage	100	150	volts
Grid-No.1 Voltage	-1	-	volt
Cathode-Bias Resistor	80	180	ohms

(continued on next page)

[□] Nominal voltage = 7.0 volts. [□□] Nominal current = 0.32 ampere.
← Indicates a change.

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Plate Resistance (Approx.)	0.25	0.8	megohm
Transconductance	4800	4200	µmhos
Grid-No.1 Bias (Approx.) for transconductance of 35 µmhos . . .	-12	-19	volts
Plate Current.	8.2	10	ma
Grid-No.2 Current.	3.3	3.2	ma